



North Carolina Department of Environment and Natural Resources

Pat McCrory
Governor

Donald R. van der Vaart
Secretary

STATE OF NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT
SOLID WASTE SECTION

**PERMIT TO OPERATE A SEPTAGE LAND
APPLICATION SITE**

Billy Heath Septic Tank Service
Billy Ray Heath
3431 Hwy 55 W
Kinston, NC 28504

is hereby permitted to operate Septage Land Application Site with permit # **SLAS-40-03** located on SR 1404 in Greene County at approximate position 35.44659° N latitude and -77.56914° E longitude. This site is permitted only for operations that are conducted in accordance with the representations made in the approved application, with all conditions attached to this permit, and with all of the provisions of 15A NCAC 13B.0800 -- Septage Management. Failure to operate as permitted may result in the Department suspending or revoking this permit, initiating action to enjoin the unpermitted operation, imposing administrative penalties, or invoking any other remedy as provided in Chapter 130A, Article 1, Part 2 of the North Carolina General Statutes.

This permit shall be reviewed annually to determine if soil test results and management activities are in compliance with the Septage Management Rules and the conditions of this permit. Modifications, where necessary, shall be made in accordance with rules in effect at the time of review.

Date Issued

3/20/2015

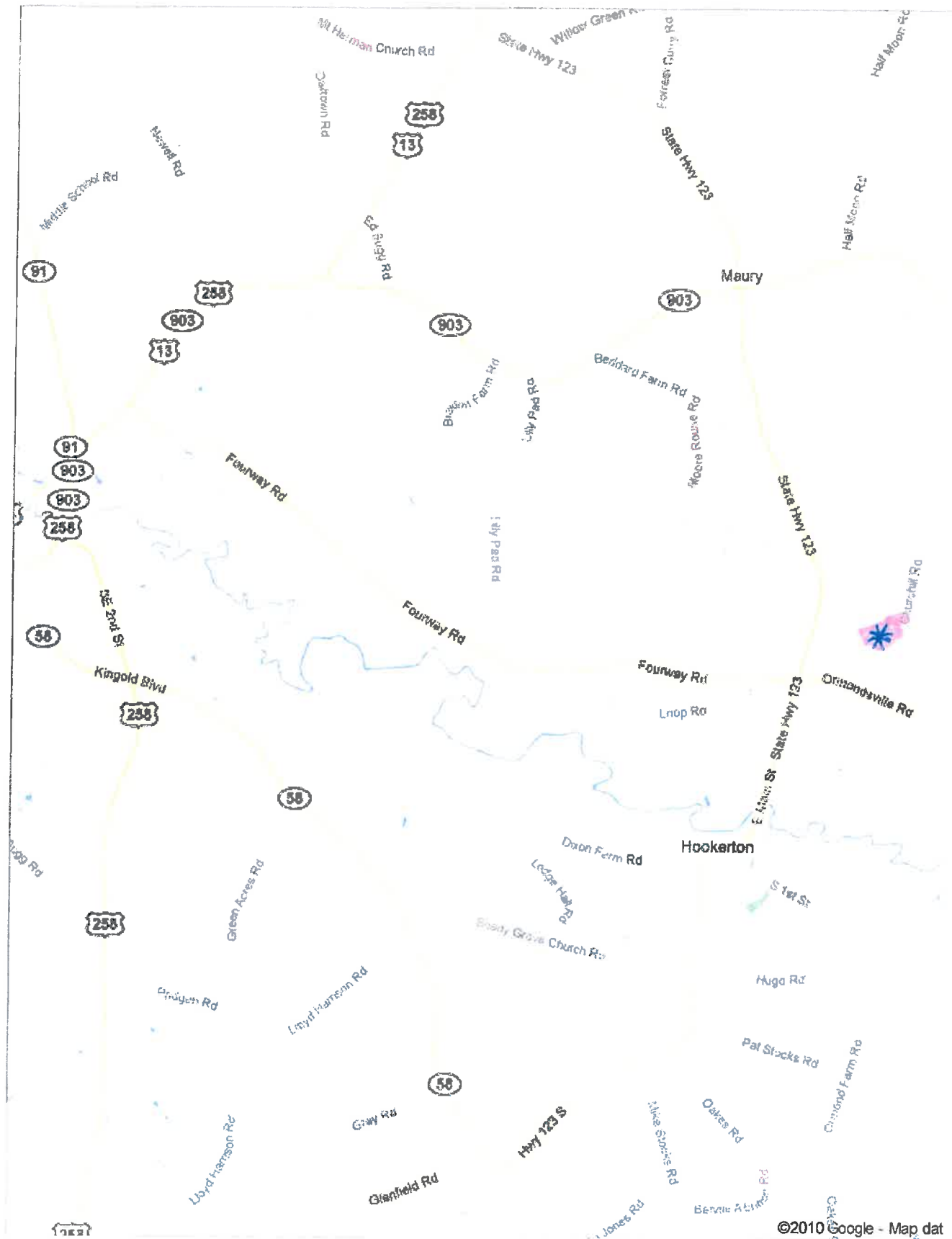
Martin A. Gallagher, Supervisor
Composting & Land Application Branch,
Solid Waste Section
Division of Waste Management, NCDENR

CONDITIONS OF OPERATING PERMIT

1. This permit shall become void if the soils fail to adequately assimilate the septage and shall be rescinded unless the site is maintained and operated in a manner which will protect the assigned water quality standards of both surface and ground waters.
2. This site shall be operated and maintained in accordance with the nutrient management plan submitted by Billy Ray Heath and approved by the Division of Waste Management. The 12.4 acre site has been established in hybrid bermudagrass and divided into two sections, known as Section A (6.1 acres) and Section B (6.3 acres). If a section or area drops below 80% coverage in bermudagrass, the section or area shall be re-sprigged in hybrid bermudagrass at 40 to 50 bu/ac during March or April. The hybrid bermudagrass shall be overseeded in October or November of each year with a small grain at a rate of 2 bu/ac. The small grain shall be cut and baled as hay during March or April of each year. The bermudagrass shall be cut and baled as hay beginning in late May or June and ending around October. Approximately 3 or 4 cuttings of bermudagrass shall be made each year. A harvest rotation between sections shall be followed to meet the 30-day waiting period between the last application of septage and the harvest of the bermudagrass or small grain as hay. All discharges shall be at locations on the site consistent with the crop rotation in the approved plan.
3. This site shall be operated and maintained in accordance with the erosion and runoff control plan submitted by Billy Ray Heath in such a manner as to prevent the migration of wastes off of the designated waste receiving site. Any site improvements noted in the plan must be installed within 30 days of plan approval. The installation of groundwater monitoring wells shall be required as deemed necessary by the Division.
4. The issuance of this permit does not preclude the Permittee from complying with any and all statutes, rules, regulations, or ordinances that may be imposed by other local, state, and federal government agencies which have jurisdiction. It is the responsibility of the Permittee to be in compliance with the Federal Regulations listed in the Code of Federal Regulations, 40 CFR Part 503.
5. This permit may be modified or reissued at any time to incorporate any conditions, limitations, and/or monitoring requirements the Division deems necessary to adequately protect the environment and public health.

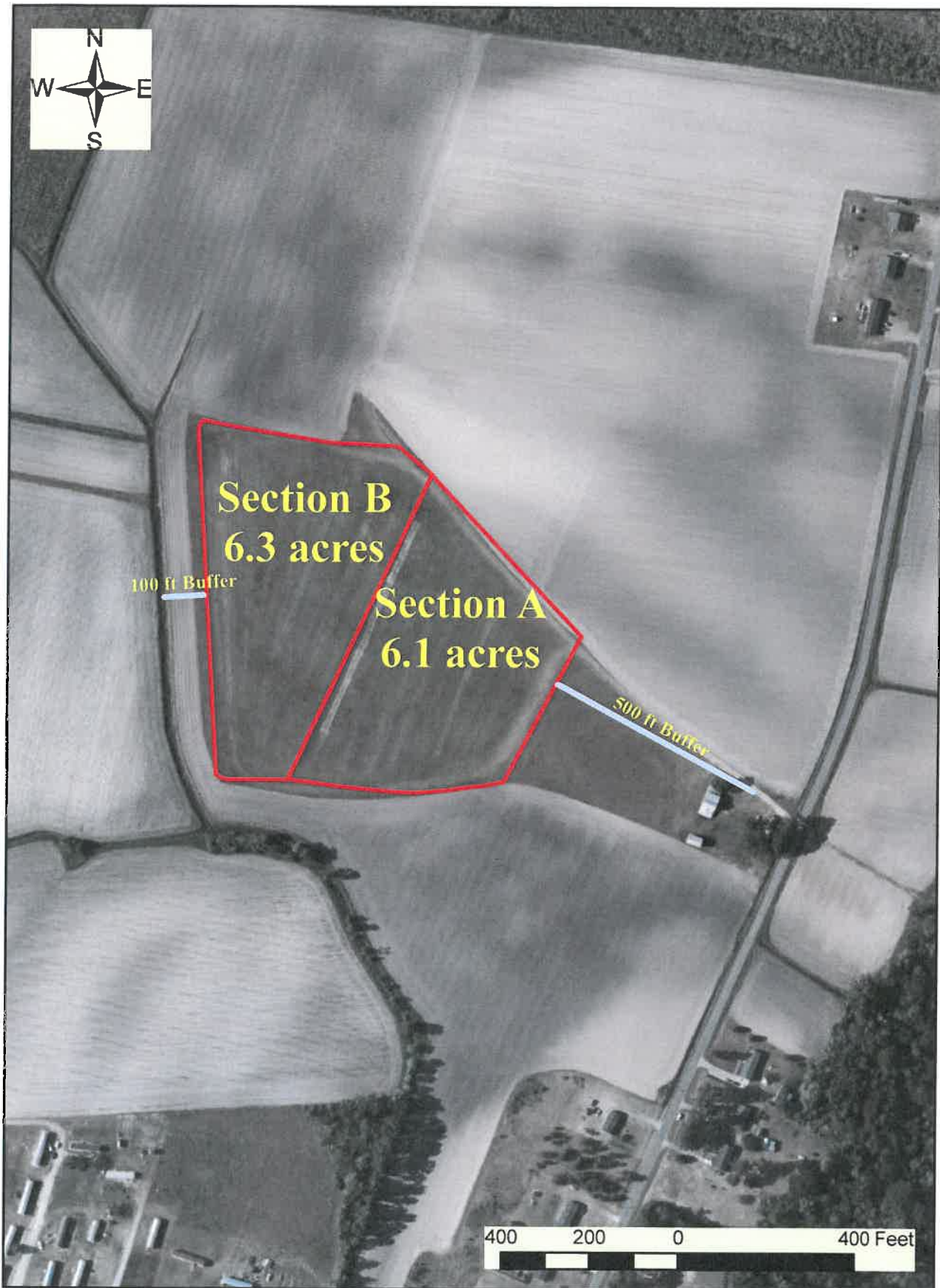
6. **This site is only permitted for the land application of domestic septage and portable toilet waste.** The pH of domestic septage and/or portable toilet waste shall be raised to 12 or higher by alkali addition and, without the addition of additional alkali, shall remain at 12 or higher for 30 minutes prior to land application.
7. **This site contains approximately 12.4 acres that are available for land application of septage.** The maximum annual application rate shall be 50,000 gal/ac/yr. At this application rate, a maximum annual volume of 620,000 gallons may be applied to this site. Application amounts to the two sections shall not exceed the maximum annual application rate or monthly application rates listed in the approved nutrient management plan. The maximum annual application rate assumes equal septage distribution, on an annual basis, over the entire permitted area.
8. An approved above ground septage detention system with a minimum design capacity of 12,000 gallons shall be available prior to operation of this site unless an approved wastewater treatment plant is available for use during periods of adverse weather. The storage capacity may be adjusted if it is demonstrated during the operation of the site that this volume of storage is inappropriate.
9. Only the area designated on the attached site map shall be utilized for septage disposal. Each load of septage discharged at the site shall be distributed from a moving vehicle in such a manner that there is no standing water when the discharge is complete.
10. Septage shall not be applied during any precipitation event, or if there is standing water on the soil surface, if the soil surface is frozen, or if the soil surface is snow covered. The Permittee shall consider pending weather conditions when making the decision to land apply in order to prevent any discharge of septage outside of the permitted boundary.
11. Septage shall not be applied during periods of high soil moisture. Septage applications that will result in ruts greater than three inches in the soil surface are prohibited.
12. Any discharge of septage outside of the permitted boundaries via runoff, aerial drift, etc. is prohibited.
13. This permit shall become voidable unless the land application activities are carried out in accordance with the conditions of this permit and in the manner approved by this Division. No one other than the Permittee or an employee of the firm named in this permit shall discharge septage at this site without prior appropriate notification and written approval from the Division.

14. Prior to any transfer of this land, a notice shall be given to the new owner that gives full details of the materials applied or incorporated at this site. The Division shall be notified prior to site closure. This permit is non-transferable.
15. **This permit shall expire on January 1, 2016.** Modifications, when necessary, shall be made in accordance with the rules in effect at the time of renewal. An application for permit renewal shall be submitted at least ninety (90) days prior to the permit renewal date. A septage application log for the period of time this permit was valid shall be submitted along with an application for permit renewal or modification. The information required in the log is described in Rule 15A NCAC 13B .0838 (e) (1) of the NC Septage Management Rules and the Code of Federal Regulations, 40 CFR Part 503.17 (b).
16. Records shall be kept in accordance with 40 CFR 503.17(b). These records shall be made available to a representative of the Division upon request.
17. Any duly authorized officer, employee, or representative of the Division may, upon presentation of credentials, enter and inspect any property, premises, or place on or related to the disposal site and facility at any reasonable time for the purpose of determining compliance with this permit; may inspect or copy any records that must be kept under the conditions of this permit; or may obtain samples of groundwater, surface water, or leachate.
18. Field separations in the nutrient management plan and all pertinent setbacks shall be clearly located on the site. Boundaries of the permitted septage land application fields shall be clearly marked on the ground.
19. The areas that can be used for land application of septage shall be maintained to meet the minimum setback distances as described in NC Septage Management Rule 15A NCAC 13B .0837 (d) such as 500 feet from any existing wells, residences, places of business, or places of public assembly. Also, septage shall not be disposed of within 50 feet of any property line or within 100 feet of any ditch.



SLAS-40-03

SLAS-40-03



Source: Aerial image from Esri, DigitalGlobe, GeoEye, i-cubed, USDA FSA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community. Site boundary from NC DENR Division of Waste Management.
Map created by NC DENR Division of Waste Management for permitting purposes only.



North Carolina Department of Environment and Natural Resources

Pat McCrory
Governor

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Secretary

March 26, 2015

Mr. Billy Ray Heath
Billy Heath Septic Tank Service
3431 Hwy 55 W
Kinston, NC 28504

**RE: SLAS-40-03 Permit Renewal
Billy Heath Septic Tank Service
SR 1404 in Greene County**

Dear Mr. Heath:

The NC Division of Waste Management has reviewed your application for permit renewal of Septage Land Application Site, **Permit # SLAS-40-03**, in Greene County. Your application has been approved in accordance with NC Septage Management Rules and your permit, **SLAS-40-03**, is enclosed. **As requested by you, Field Section Identifiers A and B were switched from their locations on the previous permit map. Refer to the enclosed permit map for the update. Also, understand that the switch changes the acres within each Section. Refer to the enclosed permit for the acres within each Section.**

Please read all the permit conditions carefully. Your nutrient management and soil erosion and runoff control plans have been included in your permit. This permit shall expire on **January 1, 2016**. An application for permit renewal must be submitted ninety (90) days prior to permit expiration as stated within Condition 15.

Again, please pay close attention to all of the conditions within the enclosed permit. Remember that violations to the NC Septage Management Rules or this permit could subject you to administrative penalties of up to \$15,000 per violation per day. If you have any questions concerning your permit or septage in general, please contact me at (919) 707-8283. When communicating to the Division about this permit, please refer to it as **"SLAS-40-03."**

Sincerely,

Chester R. Cobb, Soil Scientist
Division of Waste Management, NCDENR

Enclosures

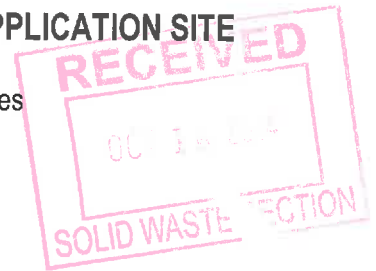
cc: Central File
John College, Environmental Senior Specialist
Rory A. Wood and Misty B. Wood, Landowners
Greene County Health Department

S:\Solid_Waste\cla\septage\sdtfper\40-Greene\Heath\4003cl15p.docx

1646 Mail Service Center, Raleigh, North Carolina 27699-1646
Phone: 919-707-8200 \ Internet: <http://portal.ncdenr.org/web/wm>

APPLICATION FOR A PERMIT TO OPERATE A SEPTAGE LAND APPLICATION SITE

North Carolina Department of Environment and Natural Resources
Division of Waste Management – Solid Waste Section
1646 Mail Service Center, Raleigh, NC 27699-1646



I. Site and Operator Information

1. Applicant Billy Ray Heath
Address 3431 Hwy 55 W
Kinston, NC 28504
Phone 252-747-1900 252-531-6252

2. Contact person for site operation (if different from applicant):
Title or position _____ Phone _____
Address _____

3. Landowner RORY A. WOOD, JR., MISTY B. WOOD
Address PO Box 84, MAURY NC 28554
PHONE # 252-717-5674

4. Site Location: County Greene State Road Number 1404
Directions to site: Hwy 258 N from Snow Hill. Turn right on
SR 1400 Turn left on SR 1404. Site is on left

5. Indicate whether request is: new _____ renewal ☒ modification _____

For a permit renewal or modification, provide the following information:

Existing site permit number: 40-03 permit expiration date: 1-1-2015

6. Number of acres meeting the requirements of the N.C. Septage Management Rules: 12.4 acres.

7. Substances other than septage or grease trap pumpings previously disposed of on the site:
(a) None ☒, or (b) Attach a list indicating other substances, the amounts discharged, and the dates of discharge.

8. Attach written, notarized landowner authorization to operate a septage disposal site signed by the landowner (if the permit applicant does not own the property). ***If a corporation owns the land use a corporate landowner authorization form. If limited liability company owns the land, use a limited liability company landowner authorization form.***

9. Attach site evaluation report, including aerial photograph and soil analysis with metals results, unless the Division prepared the report.

10. Attach a vicinity map (county road map showing site location).

(over)

II. Site Management Information:

The following information shall be included with the application form:

1. Nutrient Management Plan
2. Soil Erosion and Runoff Control Plan
3. Alternative plan for disposal (detention facility permit number or wastewater treatment plant authorization): Snow Hill Treatment Plant
4. Types of septage proposed to be discharged at the site (check all that apply):
 - (a) Domestic septage pumped from septic tanks ✓
 - (b) Grease trap pumpings _____
 - (c) Portable toilet waste ✓
 - (d) Commercial / Industrial septage _____
5. Proposed treatment method of each type of septage to be land applied (use additional paper to explain if necessary): Domestic septage, portable toilet waste will be lime stabilized to a pH of 12. Septage will be held there for 30 minutes prior to land application
6. Proposed method of applying septage to land, including septage distribution plan if required * (use additional paper to explain if necessary): Septage will be distributed evenly across the field from a moving truck in such a manner that there is no standing water when discharge is complete. Distribution shall be done according to nutrient management plan. Septage will not be land applied during periods of high soil moisture
7. Demonstration from the appropriate state or federal government agency that the land application site complies with the Endangered Species Law ** or if any part of the site specified is not agricultural land (use additional paper to explain if necessary): land application site is agricultural

III. Certification

I hereby certify that:

1. The information provided on this application is true, complete, and correct to the best of my knowledge.
2. I have read and understand the N.C. Septage Management Rules, and
3. I am aware of the potential consequences, including penalties and permit revocation, for failing to follow all applicable rules and the conditions of a Septage Land Application Site permit.

Billy Ray Heath
Signature***

10-14-14
Date

Billy Ray Heath
Print name

owner
Title

Note: This application will not be reviewed until all parts of the application are complete.

* Refer to Section .0837(e) of the N.C. Septage Management Rules.

** Refer to Section .0837(g) of the N.C. Septage Management Rules.

***Signature of company official required.

Landowner's Authorization to Operate a Septage Land Application Site

North Carolina Department of Environment and Natural Resources
Division of Waste Management - Solid Waste Section
1646 Mail Service Center, Raleigh, NC 27699-1646

I, Rory Wood (name of site owner) hereby certify that I am the owner of
13 acres of land located State Rd 1404 Greene Cty, NC
and identified by B-683 p. 73-79 (book and page of recorded deed
or tax map parcel) and that I agree to allow Billy Ray Heath (name of site
operator) to use said land for septage land application for a period of 1 years (length
of time), beginning January 1, 2015 (month, day and year) and that I have read the
North Carolina Septage Management Rules *, and I understand and agree to maintain the restrictions on
land use after septage land application ends **. I further understand that no septage may be land applied
until the Division of Waste Management has issued a permit for a septage land application site. The above
described property is owned solely by me or jointly with Misty Wood
(names of all co-owners, or state none).

Signature of landowner [Signature] Date 10-8-14

Signature of landowner [Signature] Date 10/9/14

Sworn to and subscribed before me this 14th day of October, 20 14.

[Signature]
(Notary Public)

(OFFICIAL SEAL)

My Commission expires: 5/12/15

* 15A N.C. Admin. Code 13B Section .0800

** As required by Rule .0843



950.00
26.00



Doc ID: 000781520007 Type: DEED
Recorded: 09/29/2014 at 03:21:25 PM
Fee Amt: \$976.00 Page 1 of 7
Revenue Tax: \$950.00
Instr# 201400000566
Greene County, NC
Nancy Murphy Register of Deeds

BK 683 PG 73-79

WARRANTY DEED

Prepared by: Richard J. Archie
WHITE & ALLEN, P.A.

Property was not Grantors' primary residence
NO TITLE EXAMINATION PERFORMED BY DRAFTING ATTORNEY

NORTH CAROLINA

Tax Stamps: \$950.00

GREENE COUNTY

Parcel No.: part of 0606911

THIS DEED, made this 24th day of September, 2014, by
JOHNNIE L. MORRIS and wife JUDITH B. MORRIS, whose address is
819 Morris BBQ Rd., Hookerton, NC 28538, Grantors; to RORY A.
WOOD, JR. and wife MISTY B. WOOD, whose address is P.O. Box 84,
Maury, NC 28554, Grantees;

W I T N E S S E T H:

That Grantors, for a valuable consideration paid by
Grantees, the receipt of which is hereby acknowledged, have
sold, and by these presents, do grant, bargain, sell and convey
unto Grantees, their heirs and assigns, in fee simple, that
parcel of land lying and being in Ormonds Township, Greene
County, North Carolina, and more particularly described on
Exhibit A attached hereto and incorporated herein by reference.

This property was conveyed to Grantors by Deed
recorded in the above named County Registry in Book 582, Page
848.

RECEIVED

FEB 16 2015

SOLID WASTE SECTION

BILLY HEATH SEPTIC TANK SERVICE

~~194 Nethercutt Road~~ 3431 Hwy 55 W
~~Snow Hill, NC 28580~~ Kinston, NC 28504

NUTRIENT MANAGEMENT PLAN FOR
SEPTAGE APPLICATION TO
MORRIS FARM SITE
(updated 09/18/09)

A. General Information:

1. Periodic sampling (at least 1/year) of the septage will be conducted for waste analysis.
2. The site is approximately 15 acres and will be divided into two sections (A & B) as indicated on the map. Each section will be approximately 7.5 acres.
3. The dominant soil series at this site is Kenansville.
4. Septage will not be applied where the site is untrafficable. (Untrafficable is defined as soil that will allow a loaded truck to leave a depression in sod greater than 3 inches in depth).
5. A 4000 gallon storage tank will be available to handle septage disposal when land application is not suitable.

B. Crops to be grown and approximate planting times:

1. The 15 acre site has an established stand of hybrid bermudagrass. Liming and fertilization according to soil test results will be followed to get optimum growth of the bermudagrass.
2. The hybrid bermudagrass will be overseeded in October or November with a small grain (wheat, oats, or rye) at a rate of 2 bushels/acre.
3. Any areas that should have less than 80% ground cover by bermudagrass will be sprigged the next season with hybrid bermudagrass or planted with an appropriate seeded variety of bermudagrass. If bermudagrass stand falls below 80% resprig at 40-50 bushels per acre in March/April.

C. Nitrogen needs for crops grown:

R.Y.E. = Realistic Yield Expectations
N App. Rate = Suggested N application rate based on R.Y.E.
for soil type.

<u>Crop (cut for hay)</u>	<u>R.Y.E.</u>	<u>N App. Rate</u>	<u>lbs. N/acre</u>
hybrid bermuda	5.0 tons/ac x 50 lbs N	=	250
wheat	1.5 tons/ac x 50 lbs N	=	75

D. * Relative application rate for site

<u>Month</u>	<u>Application Rate</u>	
	<u>Section A</u>	<u>Section B</u>
January	Low	Low
February	Low	Low
March	High	NONE High ^{BD}
April	NONE medium ^{BD}	High ^{BD} medium ^{BD}
May	Medium	Medium
June	High	High
July	High	High
August	Medium	Medium
September	Medium	Medium
October	Low	Low
November	Low	Low
December	Low	Low

* low = 5000 gallons; medium = 10,000 gallons; high = 15,000 gallons

E. Application Method:

The preceding information is based on septage being evenly applied over the permitted site by distribution behind the truck. Septage will be lime stabilized prior to application.

F. Additional Fertility Requirements:

Additional fertilizer will be applied in accordance with NCDA&CS soil test results for the crop grown.

G. Harvest of the crops and their use:

1. All forages will be cut and baled for hay to be used for cattle feed.
2. The small grain will be cut and baled for hay in March (section B) and April (section A) so that no septage is applied within 30 days of harvest.
3. The same rotation of application and hay harvest will be followed for the bermudagrass. Section B will be cut and baled while septage is applied to section A to assure no septage is applied within 30 days of

harvest. Section A will be cut and baled while septage is applied to section B for the same reason. The first cutting of hay can be expected in late May or June and the last cutting of the season around October. Three to four cuttings of bermudagrass per season can be expected. Then wheat will be planted again for winter septage application.

H. Soil Erosion Plan:

1. The site will be covered with vegetation (bermudagrass or bermudagrass overseeded with a small grain).
2. Buffer areas of 25' along the perimeter of the field will also be covered in hybrid bermudagrass and overseeded with small grain in October or November at a rate of 2 bushels/acre.
3. The buffer areas will be cut and baled as the rest of the field so that the vegetation can be kept in a healthy, viable state.
4. Erosion and runoff should be controlled by this vegetation.

Submitted by: Billy Heath Date: 2-13-15
(Site Operator)

Plan Prepared by: Phillip Rowan Date: 09/18/09

Phillip Rowan
Agricultural Extension Agent
403 Government Circle, Suite 2
Greenville, NC 27834
252-902-1703

7144150

SEPTAGE LAND APPLICATION LOG

COVER SHEET

Site Operator: Billy Ray Heath

SLAS Permit #: 40-03 35.4466 N -77.5692 W

Site Location: SR 1404
(street address for the site or latitude and longitude)

Number of acres permitted: 12.4

Permitted application rate: 50,000 gallons per acre per year
(gallons septage per acre per year)

Crop(s): hybrid bermudagrass overseeded in Oct with wheat oats or rye

Crop nitrogen requirement(s): 320
(pounds nitrogen per acre)

CERTIFICATION:

"I certify, under penalty of law, that the pathogen requirements in (insert either 503.32 (c)(1) or 503.32 (c)(2)) and the vector attraction reduction requirements in (insert 503.33 (b)(9), 503.33 (b)(10) or 503.33 (b)(12)) have been met. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction reduction requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment."

Billy Ray Heath
(signature)

10-14-14
(date)

Septage Land Application Log Cover Sheet



Site Operator: Billy Ray Heath
SLAS Permit #: SLAS-40-03
Site Location: 35 26 48 N 77 34 10 W
(street address for the site or latitude and longitude)
Number of acres permitted: 13.1
Permitted application rate: 50,000 per Acre per Year
(gallons septage per acre per year)
Crop(s): Bermuda Hay & Oats
Crop nitrogen requirement(s): 320
(pounds nitrogen per acre)

CERTIFICATION:

"I certify, under penalty of law, that the pathogen requirements in (insert either 503.32 (c)(1) or 503.32 (c)(2)) and the vector attraction reduction requirements in (insert 503.33 (b)(9), 503.33 (b)(10) or 503.33 (b)(12)) have been met. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction reduction requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment."

Billy Ray Heath
(signature)

11-21-14
(date)